

Self-limiting heating cable for non-industrial applications.

Frost protection

DEFROST PIPE is a light commercial grade self-limiting heating cable/tape that is ideal for frost protection or temperature maintenance of pipe work and vessels in the construction and refrigeration industries. DEFROST PIPE 20 / GUTTER is recommended for frost protection of roof gutters and drains. All DEFROST PIPE cables are UV-resistant, and compliant with exposure to sunlight.

Cut-to-length

It can be cut-to-length on site, and exact piping lengths can be matched without any complicated design considerations.

Improve safety and reliability

Its self-limiting characteristics improve safety and reliability. DEFROST PIPE will not overheat or burnout, even when overlapped upon itself. Its power output is self-limiting in response to the pipe temperature.

Quick installation

The installation of DEFROST PIPE is quick and simple and requires no special skills or tools. Termination, splicing and power connection components are all provided in convenient kits.

Bus-bar cross sections:

The cables have the following bus-bar cross sections:

- DEFROST PIPE 15: 2 x 0.56mm²
- DEFROST PIPE 10, 20, 30 and 40: 2 x 1.23mm²

(Cable illustration is not in true resemblance to actual dimensions)

CHARACTERISTICS

Construction characteristics

Conductor flexibility	Stranded
Conductor material	Nickel-plated copper
Insulation	Cross-linked polyolefin
Screen	Longitudinal aluminium tape + copper wire
Outer sheath	Polyolefin
Sheath colour	Grey

Dimensional characteristics

Height	5.5 mm
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Electrical characteristics

Maximum permissible nominal current	- A
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Conductor flexibility
Stranded



Minimum installation temperature
-45 °C



Operation bending rad.
25 mm





Electrical characteristics



Operating voltage	230 V
Resistance of the screen	18.2 Ohm/km

Usage characteristics

Minimum installation temperature	-45 °C
Laying operation bending radius	25 mm
Max. temperature energized, outer sheath	65 °C
Packaging	Drum

PRODUCT LIST

Nexans Ref.	Country Ref.	Name	Approximate weight [kg/100m]	Output at 10°C [W/m]	Maximum installation length [m]
 10174809	1037301	DEFROST PIPE 15	5.3	15	105
 10174811	1037305	DEFROST PIPE 30 - AO expired	9.1	30	113
 10182504	1037306	DEFROST PIPE 40 - AO	9.1	40	94
 10182113	1037300	DEFROST PIPE 10 - AO	9.1	10	177

 = Make to order,  = In stock,



Conductor flexibility
Stranded



Minimum installation temperature
-45 °C



Operation bending rad.
25 mm